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ALERT SERVICE BULLETIN

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OXYGEN - ATA SYSTEM 35

P/N 10100 SERIES EXCEPT P/N 10100B1B14

SCOTTORAMIC® MASK ASSEMBLY

INSPECTION FOR CORRECT BREATHING TUBE ATTACHMENT; INSTALLATION OF INSPECTION FLAG

1. SUMMARY

On some Scott Part Number 10100 Series Scottoramic® Mask Assemblies the breathing tube has separated from the facepiece because a part was left off the specification when the connection was redesigned in early 2000. A typical P/N 10100 Series Mask Assembly is shown in Figure 1.

As a correction for breathing tubes that are not correctly attached, a rubber bushing must be installed between the tube and the facepiece connection.

All Scott P/N 10100 Series Scottoramic® Mask Assemblies with a Part Number including a "1" in the seventh place (see Table 1 and Figure 1) must be inspected. Do not use this ASB for the P/N 10100B1B14 Scottoramic® Mask Assembly. Use ASB 10100B1B14-35-A01 for the P/N 10100B1B14 Scottoramic® Mask Assembly.

2. PLANNING INFORMATION

A. Effectivity

(1) Aircraft

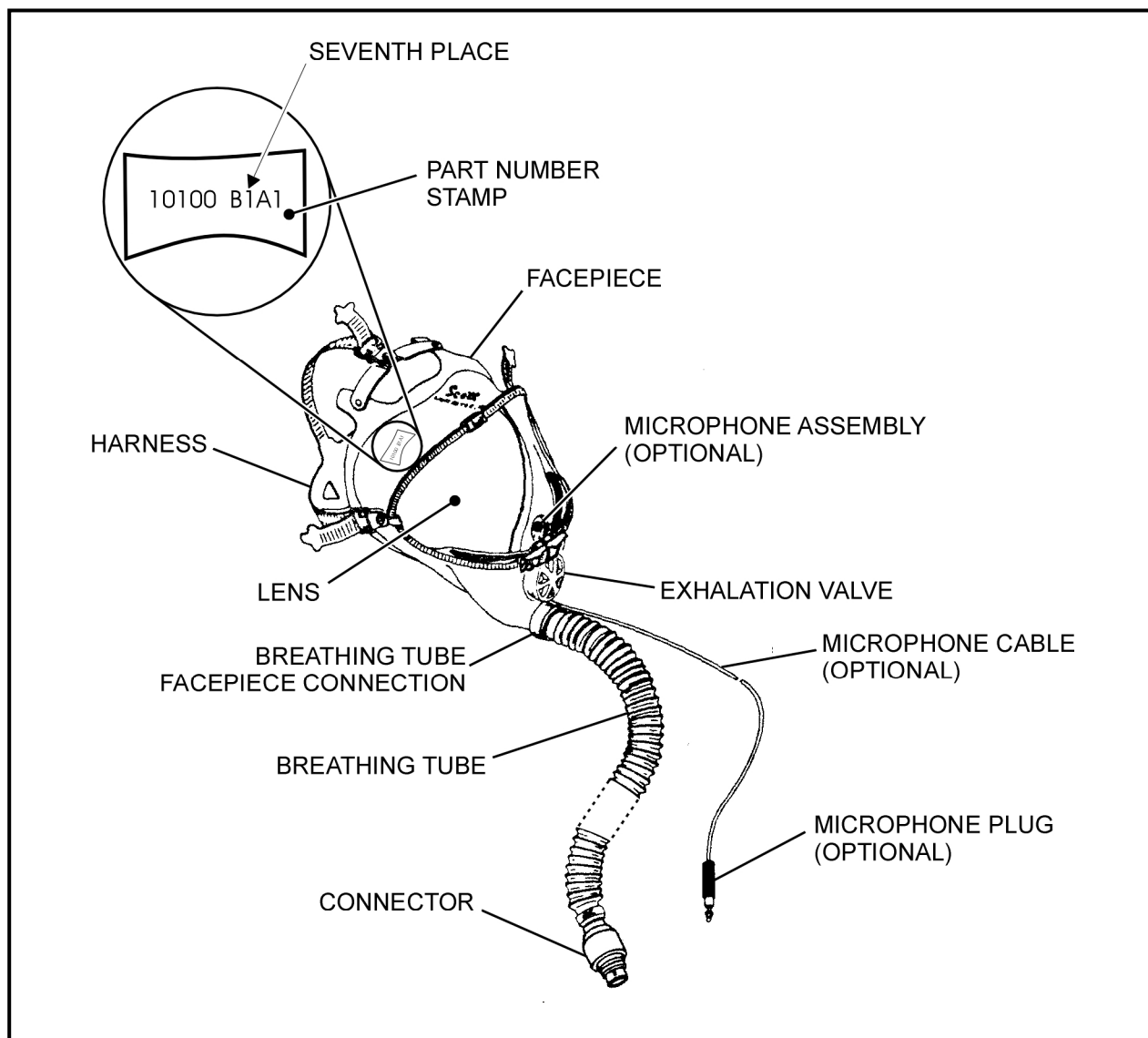
This ASB applies to all makes and models of aircraft that have Scott P/N 10100 Series Scottoramic® Mask Assemblies shown in Table 1 installed.

(2) Scott P/N 10100 Series Scottoramic® Mask Assemblies

This ASB applies to all Scott P/N 10100 Series Scottoramic® Mask Assemblies shown in Table 1. Do not use this ASB for the P/N 10100B1B14 Scottoramic® Mask Assembly. Use ASB 10100B1B14-35-A01 for the P/N 10100B1B14 Scottoramic® Mask Assembly.

Table 1
Affected Scottoramic® Mask Assemblies

Mask Assembly P/N
10100 A1(*)
10100 B1(*)
10100 C1(*)
10100 D1(*)
* May be followed by 1, 2, or 3 additional letters and numbers
Note: P/N 10100B1B14 is covered by ASB 10100B1B14-35-A01



Typical 10100 Series Scottoramic® Mask Assembly
Figure 1

2. PLANNING INFORMATION, (Continued)

B. Reason

- (1) As a correction for breathing tubes that could separate, this ASB requires the inspection of all Scott P/N 10100 Series Scottoramic® Mask Assemblies shown in Table 1 and the addition of a bushing to any mask assemblies found to use a clamp to attach the breathing tube to the facepiece, if the bushing is not already present.
- (2) This ASB also requires the addition of an inspection band to those mask assemblies found to use a wire tie to connect the breathing tube to the facepiece. Estimate the quantity of 10100 Series Scottoramic® Mask Assemblies to be inspected and obtain inspection bands before starting the inspections. See paragraph 5A.



2. PLANNING INFORMATION, (Continued)

C. Description

This ASB identifies the Scott P/N 10100 Series Scottoramic® Mask Assemblies shown in Table 1 that are affected and gives accomplishment instructions.

You are authorized to make copies of this ASB and give them to other persons. If you copy this ASB, you must copy all of the ASB. The only page you can copy alone is the Inspection Band Order Form in the Appendix.

D. Recommended Compliance

You must do an inspection of all mask assemblies, whether in service or in storage, with P/N's shown in Table 1 and arrange for the installation of a bushing in the mask assemblies, identified by the inspection as requiring a bushing, within 180 days of the publication of this ASB.

E. Approval

The technical aspects of this Alert Service Bulletin have been reviewed and accepted by the Federal Aviation Administration (FAA).

WARNING: ANY SERVICE OR OVERHAUL PERFORMED ON THIS APPARATUS SHALL BE DONE ONLY BY THOSE FACILITIES EXPERIENCED IN, OR BY PERSONNEL KNOWLEDGEABLE, IN AVIATION OXYGEN EQUIPMENT. IF NONE IS KNOWN, CONTACT SCOTT AVIATION OR ITS DISTRIBUTORS FOR NAMES OF AUTHORIZED SERVICE CENTERS. IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

F. Manpower

- (1) To inspect each mask assembly requiring inspection, one service technician is required. It will take approximately 0.1 work hours to inspect each mask assembly.
- (2) If the inspection indicates that a wire tie is used on the breathing tube/facepiece connection, then an inspection band will be installed. If the inspection indicates that a clamp is used on the breathing tube/facepiece connection, a bushing must be installed. Arrange for bushing installation as soon as possible.

G. Weight and Balance

One inspection band weighs 0.05 ounce (1.38 g). The effect on weight and balance can be ignored.

H. References

Scott CMM 35-10-71 for P/N 10100 Series Scottoramic® Mask Assembly.

J. Interchangeability of Parts

After this ASB is completed, the P/N 10100 Series Scottoramic® Mask Assemblies shown in Table 1 are fully interchangeable with other P/N 10100 Series Scottoramic® Mask Assemblies that have the exact same P/N.

3. MATERIAL INFORMATION

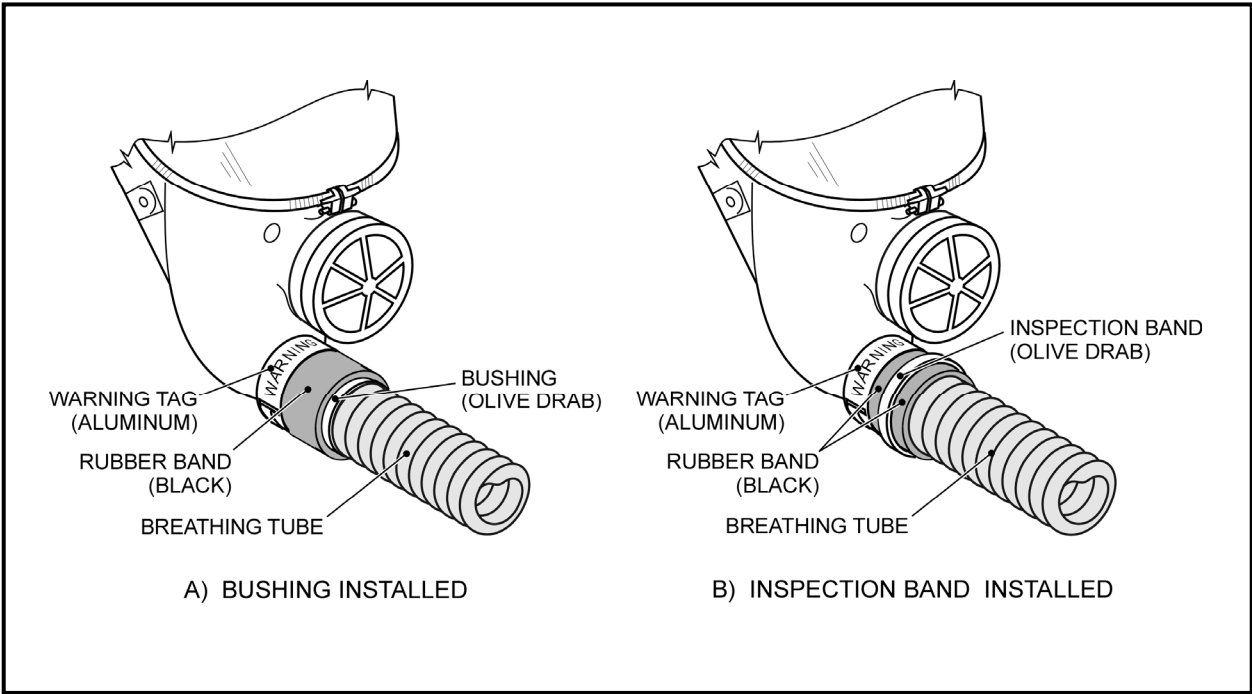
- A. Inspection bands are supplied free of charge by Scott Aviation. Estimate the quantity of 10100 Series Scottoramic® Mask Assemblies to be inspected and obtain inspection bands before starting the inspections. See paragraph 5A.
- B. Refer to Table 2. One inspection band P/N 50932-02 is required for each inspected mask that does not require a bushing.

3. MATERIAL INFORMATION (Continued)

- C. Bushings for installation in mask assemblies found to use a clamp to attach the breathing tube to the facepiece, will be supplied free of charge by Scott Aviation. See Paragraph 4B.

Table 2
Inspection Band Information

Nomenclature	Part Number	Manufacturer
Inspection Band	50932-02	Scott Aviation (V53655)



ASB Status Indicators
Figure 2

4. ACCOMPLISHMENT INSTRUCTIONS

This ASB applies to the P/N 10100 Series Scottoramic® Mask Assemblies shown in Table 1. Do a check of your purchasing records, spares inventory, and aircraft maintenance records to find if you have these Scottoramic® Mask Assemblies. Estimate the quantity of 10100 Series Scottoramic® Mask Assemblies to be inspected and obtain inspection bands before starting the inspections. See paragraph 5A. Follow the Aircraft Maintenance Manual (AMM) to get access to Scottoramic® Mask Assemblies installed in aircraft.

A. Visual Inspection

- (1) To tell if this ASB applies to your mask, look carefully at the top of the facepiece (see Figure 1) under a suitable light and read the Part Number that is stamped into the rubber. Compare this P/N to the P/N's in Table 1 to determine if your mask assembly is covered by this ASB.

NOTE: If you cannot see the Part Number on the facepiece, refer to CMM 35-10-71 to determine the Part Number of the mask assembly you have.



4. ACCOMPLISHMENT INSTRUCTIONS (Continued)

A. Visual Inspection (Continued)

(2) Compare your mask assembly to the mask assembly in Figure 2.

- (a) If the P/N 10100 Series Scottoramic® Mask Assembly has an inspection band as shown in Figure 2B, then stop. An inspection band on a mask assembly is an indication that the mask assembly complies with this ASB.
- (b) The presence of a bushing is confirmed by approximately 3/16 inch (5 mm) of the olive drab bushing visible between the black rubber band and the breathing tube at the facepiece/breathing tube connection as shown in Figure 2A. If the P/N 10100 Series Scottoramic® Mask Assembly has a bushing as shown in Figure 2A, then stop. A bushing on a mask is an indication that this ASB does not apply to that mask assembly.
- (c) If there is no inspection band or bushing as shown in Figure 2, then you must do an inspection of the P/N 10100 Series Scottoramic® Mask Assembly. A mask assembly with a P/N listed in Table 1 and a clamp (P/N 10011126) that attaches the breathing tube must have a bushing installed. A mask assembly with a P/N listed in Table 1 and a breathing tube attached with a wire tie requires an inspection band, but does not require a bushing.

1 Remove the warning tag (P/N 10005787) if so equipped.

2 Roll the rubber band off of the connection toward the facepiece.

3 Remove the black vinyl tape (commercially available).

4 Pull only sufficient olive drab tape (P/N 50003-00) up from the facepiece to see if the breathing tube is attached with a clamp or a wire tie (see Figure 3).

NOTE: The clamp is approximately 0.25 inch (6.4 mm) wide and silver in color. The wire tie is approximately 0.06 inch (1.5 mm) in diameter.

5 Look at Figure 3 to see if the breathing tube is attached with a clamp or a wire tie. If the breathing tube is attached with a clamp, go to 4.B. Installation of Bushing. If the breathing tube is attached with a wire tie, continue with step 4.A.(2)(c)6.

6 If the breathing tube is attached with a wire tie, do the following steps:

a Put the olive drab tape back in place over the wire tie.

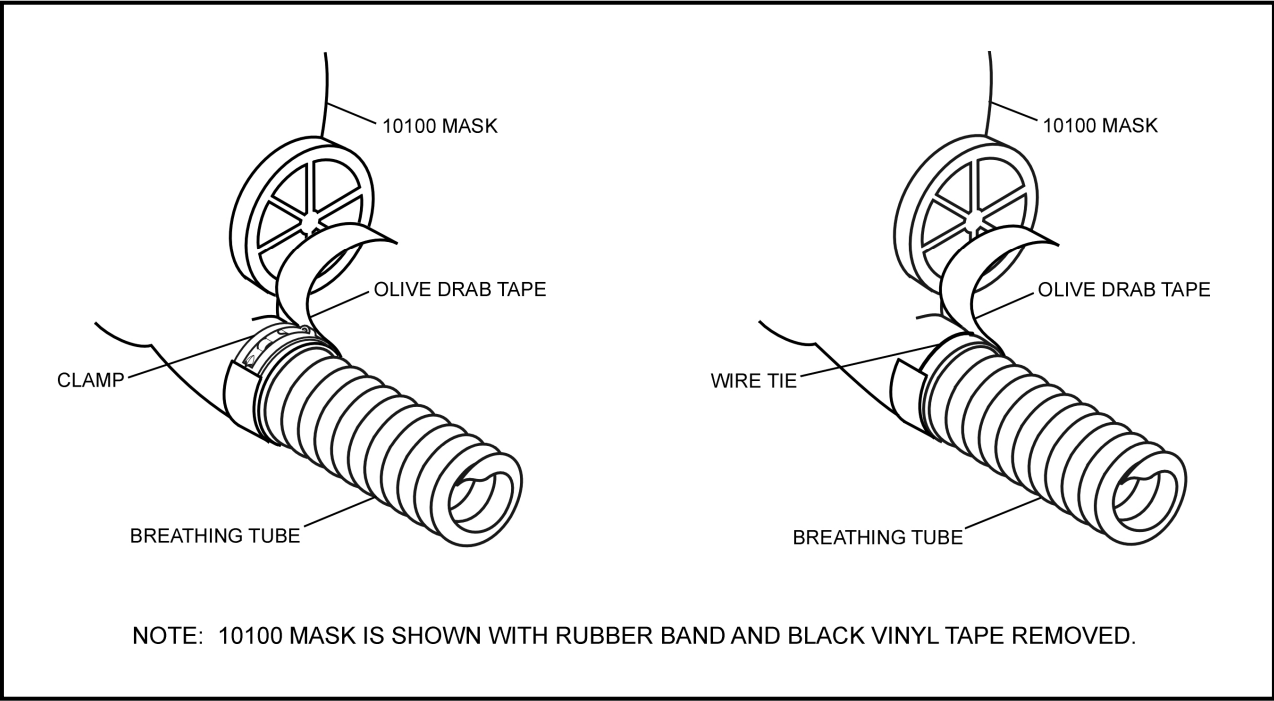
b Cut a piece of the black vinyl tape (commercially available) that is 0.75 in (19 mm) wide and 7 in (178 mm) long and apply it over the olive drab tape.

c Roll the rubber band (P/N 10109-00) back over the tape.

d Install the inspection band (P/N 50932-02) over the rubber band as shown in Figure 2B.

NOTE: Make sure that the microphone cable, if so equipped, is properly aligned under the rubber band and inspection band.

7 Reinstall the Warning tag (P/N 10005787) if removed in step 4.A.(2)(c)1. See Figure 2.



Clamp versus Wire Tie
Figure 3

4. ACCOMPLISHMENT INSTRUCTIONS (Continued)

WARNING: FAILURE TO INSTALL THE BUSHING WHEN REQUIRED MAY RESULT IN SEPARATION OF THE BREATHING TUBE FROM THE MASK ASSEMBLY DURING USE.

B. Installation of Bushing

For a P/N 10100 Series Scottoramic® Mask Assembly shown in Table 1 that has the breathing tube attached to the mask assembly with a clamp (P/N 10011126) you can do either (1) or (2) as follows:

- (1) Contact Scott as shown in the Appendix and request the materials and Installation Instructions to complete this ASB in your own facility. The materials and Installation Instructions will be provided by Scott Aviation free of charge.
- (2) Contact Scott for a Return Material Authorization (RMA) to send the mask assembly prepaid to a Scott Authorized Repair Facility for installation of the bushing free of charge. See paragraph 5C.

NOTE: A list of Scott Authorized Repair Facilities is available on the Scott Aviation website at www.scottaviation.com or contact Scott Aviation per paragraph 5E below for a copy of the list.

C. Make a Record

If required, make an entry in your aircraft maintenance records that this service bulletin has been completed.



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5. APPENDIX - How To Contact Scott Aviation

- A. To obtain inspection bands free of charge, complete the Inspection Band Order Form on the next page. You can mail or fax the completed order form or e-mail this information directly to the Scott Technical Support Department shown in paragraph E below.
- B. To obtain bushings and bushing Installation Instructions free of charge for mask assemblies that have been inspected and were determined to require bushings, contact the Scott Technical Support Department as shown in paragraph E below.
- C. To obtain a Return Material Authorization (RMA) number to ship a mask to Scott Aviation or a Scott Authorized Service Facility for installation of a bushing free of charge, contact the Scott Technical Support Department in paragraph E.
- D. To buy a Scottoramic® mask assembly or a replacement part, contact any Scott Aviation Authorized Distributor. Refer to the Scott web site (www.scottaviation.com) for a list of distributors or contact Scott per paragraph E below for a copy of the list.
- E. To get technical aid, contact the Scott Technical Support Department.

- Mail to:

New Contact Information (September 1 , 2004):

AVOX Systems Inc. (Formerly Scott Aviation, Inc.)
New Technical Support e-mail: avoxcs@avox.zodiac.com
New Technical Publications e-mail: avotechpub@avox.zodiac.com
New website address: www.avoxsys.com

- Telephone:

1-716-686-1725 or 1-716-686-1798

- Fax:

1-716-681-1089

- E-mail:

sa-customerservice@tycoint.com

- F. To get a P/N 10100 Series Scottoramic® Mask Assembly repaired or overhauled, contact Scott per paragraph E above.
- G. To get a copy of the CMM 35-10-71, contact the Scott Technical Publications Department. Give the aircraft model when you send an order for a CMM copy. To get copies of the Scott Publications Index, and recently published SB's & SIL's on-line refer to the Scott Aviation website: www.scottaviation.com.

- Telephone:

New Contact Information (September 1 , 2004):

AVOX Systems Inc. (Formerly Scott Aviation, Inc.)
New Technical Support e-mail: avoxcs@avox.zodiac.com
New Technical Publications e-mail: avotechpub@avox.zodiac.com
New website address: www.avoxsys.com

- Fax:

- E-mail:

- Publications Index: log onto www.scottaviation.com; click on the Technical Product Information tab at the top to download and print the Master Index.

H. Warranty Coverage

The inspection bands are supplied free of charge. **NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED PURPOSE SHALL APPLY TO THIS ACTION.**

NOTE: Do not return Scottoramic® Mask Assemblies to Scott Aviation or to a Scott Authorized Repair Facility unless you have received a written return authorization (RMA). Any mask assemblies sent without a return authorization will be returned to the sender in the condition received. The sender assumes the full responsibility for any unauthorized returns.



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INSPECTION BAND ORDER FORM
(Make copies or use this page)

Your Company Name:	
Full Shipping Address:	
(No P.O. Boxes)	
Country:	
Telephone Number:	
Fax Number:	
E-mail Address:	
Aircraft Type/Model:	
10100 Series Scottoramic® Mask P/N and Quantity:	
10100 Series Scottoramic® Mask P/N and Quantity:	
10100 Series Scottoramic® Mask P/N and Quantity:	
10100 Series Scottoramic® Mask P/N and Quantity:	
Total Masks to be Inspected:	
Quantity of P/N 50932-02 Inspection Bands Ordered:	